

List of sequences

<110> Tets Viktor Veniaminovich, Genkin Dmitry Dmitrievich

<120> Way of oncological' and infectious diseases' treatment, way of treatment's efficiency control, pharmaceutical agents and composition for providing the treatment

<210> 1

<211> 485

<212> DNA

<213> Artificial Sequence

<400> 1

acgacggcca gtgagcgcgc gtaatacgac tcactatagg gcgaattggg taccgggccc 60
 cccctcgagg tcgacggat cgataagctt gatatcgaat tctgaccacc ccaaggtggc 120
 catcctgtc cctgtgatc cagatctcca gaactggagg tctagctca gggaaaaccc 180
 agattttctt ggcttagccc acctgacagc taatcactgg aaatgggggtg ggctggtaga 240
 gtcctttgtt caggttttgt gtcaagagag ggaggaggaa agatgggagg gaggtagcaa 300
 aactggtctc aatggaacta tgtaagttaa tatagaatgg caaagggatg tttcttccaa 360
 ggaaagaatt cctgcagccc gggggatcca ctagtctag agcggccgcc accgcggtgg 420
 agctccagct ttgttcctt ttagtgggg ttaattgcgc gcttggcgta atcatggtca 480
 tagct

<210> 2

<211> 244

<212> DNA

<213> Artificial Sequence

<400> 2

gaattctcaa attattactg aggaaaatgt gacagtgcct caaagcagta gtaattttt 60
 ctcatatgc tgcattatt attaaaacca acagtggaca gtgaatgact aactgacct 120
 tttttgggaa tattactcc aatgaacgt taactaaag attggaatat gaacacacta 180
 ttgcttttac actagagagg ttactcttg ccactcttc agcagcagtt agcttcagga 240
 attc

<210> 3

<211> 230

<212> DNA

<213> Artificial Sequence

<400> 3

gaattcgag taacttcctt gtgtgtgtg tattcaactc acagagtga acgatcgtt 60
 acacagagca gacttgaaac actcttttg tggaattca agtggagatt tcaattgtt 120
 gaggtcaatg gtagaatagg aaatatcttg ctatagaaac tagacagaat gattctcaga 180
 aactccttg tgatgtgtgc ctcaactca cagagttaa ccttctttt

<210> 4

<211> 218

<212> DNA

<213> Artificial Sequence

<400> 4

gaattctcat gaaattgaaa tggatggact catcatcgaa tggattcgaa tggaatcatc 60
 gaataaaatt gattgag(a)at catcatcaaa tggaatcgaa tggatcatt gaatggaatc 20
 gaatggaatc atcatcagat ggaaatgaat ggaatcgta tagaatccaa tcgaatgat 180
 tcattgaatg gaatcagatg gaatcatcga gtgactga

<210> 5

<211> 182

<212> DNA

<213> Artificial Sequence

<400> 5

gaattctcta caggacaga actaatggaa tatatgtatt atacagggga gtttattaaa 60
cattaactca catgatcaca aggtcccga ataggctgtc tgcaggcagg ggcgaaggag 120
gccagtgaag ttccaaaact caagaaccta gagtcaatgt tcaagggc(?)a ggaagcatcc 180
ag

<210> 6

<211> 152

<212> DNA

<213> Artificial Sequence

<400> 6

gaattcacag aaatcattgc cacaggcaag atctgatgaa ccttgatgaa tgctaaaatt 60
agttggtgaa agtttaagca gaaacagaat gtttgcatag aatgaagcaa aagaaggaaa 120
aaaaattatg agcccttgat ttaggggtct tt

<210> 7

<211> 131

<212> DNA

<213> Artificial Sequence

<400> 7

gaattcttct gtctagagta acatgaagaa atcccgttc caacgaaggc cctcaaggcg 60
gtcaattatc cacttcgaga ttctacagaa agagtgttc aaaactgctc tatcaagaga 120
aatgttcac c

<210> 8

<211> 239

<212> DNA

<213> Artificial Sequence

<400> 8

gaattcccag taattcctt gtgttggtga cattcaactc acagagttga acgttcctt 60
agacagagca gatttgaaac actcttttg tgcaattggc aagtggagat tcaagcgt 120
ttaaggtaa tggcagaaaa ggaatatct tcgttcaaa actagacaga atcattccca 180
caaactgcgt tgtgatgtgt tcgttcaact cacagagttt aaccttctt tcatagag

<210> 9

<211> 207

<212> DNA

<213> Artificial Sequence

<400> 9

gaattctcta gacttccttg ggttagcgc tgagtgaaga ggcacggaga gggtttgag 60
cttagggta aagcactgat ggaagaaagg aattcctgca gcccgggga tccactagt 120
ctagagcggc cgccaccgcg gtggagctcc agctttgtt cccttagtg agggtaaaa 180
gcgcgttg gtaatcatgg tcatagc

<210> 10

<211> 223

<212> DNA

<213> Artificial Sequence

<400> 10

gaattcatcg ctaggactgt gttctgttt attgggatgg gaaggagag aaaagatgag 60
aggggcaaaa gagaaaatt tggaatatga gaaacttact ttattgcact gtctgtgcaa 120
ttgttggtct taaggaacaa atacactaaa ttcaaagatg ataaaaaaaa aaacagctt 180
cacagagctg tagtaaacac cagatgttga aagagaagcg tat

<210> 11

<211> 198

<212> DNA

<213> Artificial Sequence

<400> 11

gaattccatt tgaatgacaat tccattcaat accaattgat gatgtttatt ttgattcca 60
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 ttccattcga ttccattcaa tgattattcc acttgagtcg attcgatgac tccattcgat 180
 tgtattcgat ggtgattg

<210> 12

<211> 217

<212> DNA

<213> Artificial Sequence

<400> 12

gaattctgcc aagcagtgac ttgattcatg aacactcact ggatgctgac tctgttgc 60
 ttctgagtg tgggtagag gagaggatga ggtggacgca cagttctgc tttatgagc 120
 ttatgttcta ggaaattcaa acaagtattt ttccaggcag gtagtatgaa atagcaggaa 180
 gaggaagcag gctaaaggga cacagagtga ttggggg

<210> 13

<211> 223

<212> DNA

<213> Artificial Sequence

<400> 13

gaattcaggg ctgcagaaat ttgtgtaagt aaagaggagc agaattgtaa tagccaagac 60
 aatgcaaaaa atgcattcaa ggtgttttga aaccttcattg gtagccctc ccattacaag 120
 cctggaggnc tgggaggga aaataatccc tgaaccagga caaggccct atccctattt 180
 ctctgtacag tctcaggaca cagcacttg catcccagca gct

<210> 10

<211> 258

<212> DNA

<213> Artificial Sequence

<400> 14

gaattcgctt acagtcagtt acaaatgctt ttagatctt caatgcttct gtgaagcctc 60
 atatttctg ttacagaca cactataatg gagatggaat aaatggacag caactacaca 120
 ggacgggtgtg ggcagatggt gttggagcga ggggtgcagg tggagccac aggagaggaa 180
 ggctgattga tctctatgg ggagagcttc atagcacggg ggtggggcac acctgactgg 240
 caagctgttt ggtgtgag

<210> 15

<211> 239

<212> DNA

<213> Artificial Sequence

<400> 15

gaattcttt gaactagctg tgttttgaca gaggttttt tttttttt tctttttt 60
 gtttttct tctctgaca aggccttgg aagaatgagc ttctcccc acatcttat 120
 ttatttatt attttaagc tatgctcagg aaaatgaaca ttctcttt gcagttgata 180
 acagcattta caaggtatac agcatatagg gttgttcaa attcctccc agataacca

<210> 16

<211> 226

<212> DNA

<213> Artificial Sequence

<400> 16

gaattcctga atggtggg(6)6 6actgtgtgt ctctggccct attccctctc caggacaaac 60
ctcacccttt cctgcaaatg tactcaaaat agtacattta tccacgtcaa ttcagcaaag 120
gctgcagatc ctgggactac agtatctcag acgctgttct cagcgagctc atgggccagt 180
ggagagcaca gacaaacagc aaggcaggag aaatcgctc tgaagagccc agggag

<210> 17

<211> 156

<212> DNA

<213> Artificial Sequence

<400> 17

gaattcagcc gtggcagtga gatggagtgt gtgtttagaa ctgttgattg atctggctct 60
ccctgattag gaggccgaga tcgagactcg gattgctgag ctgcggaagg agggtttctg 120
gtcactgaag aggtgccta aggtgccaga gcccc

<210> 18

<211> 191

<212> DNA

<213> Artificial Sequence

<400> 18

gaattctaca aaagaaataa agcagagatg tgaaggaat ttcttcaact atacacattt 60
tgacataatc atcttctaac atggtgttta atttgcctg ctctcactag caatgatata 120
atgaatattt cccattttat tatatattct acaatatcac tttgaatgac tctcttaaga 180
gtgtattata c

<210> 19

<211> 312

<212> DNA

<213> Artificial Sequence

<400> 19

cgacggccag tgagcgcgcg taatacgaact cactataggg cgaattgggt accgggcccc 60
ccctcgaggt cgacggtatc gataagcttg atatcgcttg tg6gctgaag gatgcaattc 120
tagacagagt tagctgggaa tgcctcactg agaagggggc atttgagtaa aggcctgaaa 180
aggtgaagaa gaattcctgc agccggggg tccactagt ctgagcggc cgccaccgcg 240
gtggagctcc agctttgtt ccttttagtg agggtaatt gcgcgcttg cgtaatcatg 300
gtcatagctg tt

<210> 20

<211> 219

<212> DNA

<213> Artificial Sequence

<400> 20

gaattccagt ggaatcagtt gtaatgtctc cttttcata tctgatttta ttagtgtct 60
tttttctta gatagtcttg cttaaagttt ctcaatttat cttttcaaaa aatcttttca 120
ttttgtgat ctttttatt attttcttca ttcatTTTT atttattct gctctgatct 180
ttattattc ttttctta ataatttgg gtttagtt

<210> 21

<211> 208

<212> DNA

<213> Artificial Sequence

<400> 21

gaattctcag taacttcctt gtgtgtgtg tattcaactc acagagtga acgaccttt 60

acacagagcg gacttgaaac actcttttg tggaattgc aagtggagat ttcagccgcg 120
 ttgaggtcaa tggtagaaaa gaaatatct tcgtataaaa actagacaga atgattctca 180
 gaaactcctt tgtgatgtgt gtgttcaa

<210> 22

<211> 262

<212> DNA

<213> Artificial Sequence

<400> 22

gaattcaatg gaatggaatg gacaggaatg gaatggaatg gaaaggaatg gagggaatg 60
 gactagaatg gaatggaatg gaatgaaatc aacccgattg gaatggaatg gaatgcaatg 120
 gaatggaatg gaatcaactg gaaaggaatc aaatagaacg gaatggaata gaatggaatg 180
 gattggaatg gaatggaatg gattcaaccc gagggaatg gaatggaata gaatggaata 240
 aacaacgagt ggaatggaat gg

<210> 23

<211> 218

<212> DNA

<213> Artificial Sequence

<400> 23

gaattcgttg aggagcttct ggaaagtgc cattctgact cagcaggatg tggagtctgc 60
 atttctcatg agcactcagg tgatgaaaga gctggtcctt ggacacagct ctgaatagca 120
 aggggaatagc ttctcttag agaaatctgg aaaaagaacc actggagagc aatttaaaaa 180
 ataacagaat ccagggaag cttaatttc cttttatt

<210> 24

<211> 213

<212> DNA

<213> Artificial Sequence

<400> 24

gaattcaaag gaatcatcat caatagaac cgaatggaat cctcattgaa tggaaatgaa 60
 aggggtcatc atctaagga atcgcatgga atcatcatca aatggaatcg aatggaatca 120
 tcatcaaatg gaatcgaatg gaatcatcat caatggaat ctgatggaat cattgaacag 180
 aattgaatgg aatcgatc gaatgaattg aat

<210> 25

<211> 229

<212> DNA

<213> Artificial Sequence

<400> 25

gaattctgtg cgtatttttag aagtagaatt ataagatttg tggatatgtt agttttggag 60
 tgtgaggtca aaggcgtttt gagcaacttg taagaacca ttttaaggc ggaagtcggg 120
 aattttggtt ttatatgtt gaattgaaa tccttattaa acatccaagt ggagaggctg 180
 gatagacaat taaatttaga ccctgaggtt cgggaaggaa gtccaatgg

<210> 26

<211> 216

<212> DNA

<213> Artificial Sequence

<400> 26

gaattcttca agaaacatca aggagggatg tatagatagt ttttaaaaa accgaaatgt 60
 aaaagaaata caagaagaat ggaaacatct acataacgag agtggaaaga aatgaaata 120
 gaggtagata gattagatag atagatagat agatagattg attgatggat tgatagattg 180
 atagatatag aaataaaga aagaaaatag aagatg

<210> 27

<211> 244

<212> DNA

<213> Artificial Sequence

<400> 27

gaattccaat gcaatgttaa acagaaagca gcccttttt tcaaaattta taggcaaggt 60
gtttaacata tggctaaata atgttaattt atagtaaata tcctcataa ggatgaagat 120
gtacccttct attttagttt gctgagtgtc ttttagtcat aattgagtgt tgacatctgt 180
caaataattt ttctgcatct attaagacat ccatgtgata ttctctttt attctcttac 240
tatg

<210> 28

<211> 237

<212> DNA

<213> Artificial Sequence

<400> 28

gaattcaatc accatcgaat acaatcgaat ggagtcacg aatcgactca agtggataa 60
tcattgaatg gaatcgaatg gaatcatcga gtggaatcga atggaatcat gatgaaatgg 120
aatcgaatgt aatcatcatc aaatggaatc aaaaataaac atcatcaatt ggtattgaat 180
ggaattgtca tcaaatggaa ttctgcagc ccgggggatc cactagtct agagcgg

<210> 29

<211> 184

<212> DNA

<213> Artificial Sequence

<400> 29

gaattcttcc cagaagggtt ttaattact ttgctcggct ccatcagggg aatcactatg 60
gcagctatag ccttaagaaa ttatttctt aaataagact tgagagtcag aattgcttct 120
ttatccatgg tctcgaggat gggatgttgt gatagcaggc gtgaaaacaa cattcatctc 180
ctgg

<210> 30

<211> 191

<212> DNA

<213> Artificial Sequence

<400> 30

gaattcagaa tctggatggc aaggaagcgc atcaagatgc aggagaaagt tgaaacctaa 60
tccaaggaat acagtaaaac aatccagaag ctggaagac aaaatagcca tttaagaac 120
caaactgagc ttctggaagg gaaaaattta ctcaagaat tcataatac aatcaaaaagt 180
attttttt t

<210> 31

<211> 143

<212> DNA

<213> Artificial Sequence

<400> 31

Gaattccgct tggggaggga actgtcttcg tccaggaaaa tgttttnat aagccacca 60
tggtaaaagg agaagtcacg acggttaggg tggtggcagg aatcaatta agaaaaggaa 120
tggtatcca tccggttgta tgt

<210> 32

<211> 169

<212> DNA

<213> Artificial Sequence

<400> 32

gaattctaga ctgctgcacc tccatattct cagcaactgg catgatgatg agcagggagt 60
tagtagaact aatacactaa tatgtaaatg aatgaatgaa tgtttcctga gtgtggcttt 120
aagtttctca gaagaagaca gttcatacac tggcgcataa aattctggg

<210> 33

<211> 124

<212> DNA

<213> Artificial Sequence

<400> 33

gaattctagg acaaggtgat tgcctagat tttctcttaa acgcctcctg ttagatagga 60
aatggccatt aatagagaag ctgtcttgag ggagtaaccc tgaaagccca ggcctggaca 120
cccg

<210> 34

<211> 214

<212> DNA

<213> Artificial Sequence

<400> 34

gaattctaag tttatatagg ttacaacatc acagtaagaa tgtcacagag gggtatatgc 60
ttttcatcaa acaacaaatt gaaaatttt taactcttaa ggactgattt tgcttaacta 120
caagttatgc actgatggta gtagcttcac aaatttagaa aagttccaaa ataatgctta 180
gaaagagtag ctatttaact tctcattgaa caaa

<210> 35

<211> 164

<212> DNA

<213> Artificial Sequence

<400> 35

gaattcctgt gaatgtcgtt tcaaatatta ctcagcctac gcactgacca gaactattt 60
tttacagaat cattttgaca ggaaaagtgt ttatgatagt tttgtgttg ttgtgtgtg 120
ttgtttttt catcacccag gctgcttcac atttagagct gagt

<210> 36

<211> 119

<212> DNA

<213> Artificial Sequence

<400> 36

gaattctgag aactagccct ttaagactgg tggagattta ttcaggaggg aagccctgcc 60
ccagggaataa gttgccaaga gacttgtntt taggagatca ccagcccaaa tttccatga

<210> 37

<211> 208

<212> DNA

<213> Artificial Sequence

<400> 37

gaattccctt catatctttg gtcaaagccc agttttctg agtcgggtggg cttaatggga 60
ttactctttc taatgaggca tccttgtgtg cttagaatca ctcttgactt taccctgtcc 120
ccctcgggtt cctaacttac caggatggag agcatttctt cattccatgt tgttgggagg 180
ttggcccact gggtgacatc agcccagg

<210> 38

<211> 169

<212> DNA

<213> Artificial Sequence

<400> 38

gaattcctta acccttaatt agctttgggt tttgctcaat atcctgaagc tgggcacagt 60
 ctcaatgtaa ctattctcct aggggctgaa ctgggtgcta gtcacaaag ttggaatgt 120
 catttagaa gcaacctcta gaagtaatcc tggaagccc tagaagtaa

<210> 39

<211> 172

<212> DNA

<213> Artificial Sequence

<400> 39

gaattcccat cttttttgt gtgtgtgtt gagactgtat ttgcattgt cgtccacact 60
 ggagtacagt ggcgtgatct ccgctcgctg caagctccgc ctcattgatt taagcgattc 120
 tcctgcctca gcctccaag tggctgggac tacaggtgcc cgaccaacca cg

<210> 40

<211> 137

<212> DNA

<213> Artificial Sequence

<400> 40

gaattctgtt acttggatg gggaaaccgt gaaggttta agcaagactg tgatgtgctt 60
 aggtttatta gaaggttcta tgctgctcag cctccctgct tagttcttg ctttattgac 120
 tgntcctca ctaaagt

<210> 41

<211> 152

<212> DNA

<213> Artificial Sequence

<400> 41

gaattctttt tccccagct ttatggagat ttaattgaca aataaaatgg catatattta 60
 ggtgtatata ttgatata gtatacattg tgaaacgatt actataatga agttaattaa 120
 catattcttc atcttgcata gtcaccattt tt

<210> 42

<211> 183

<212> DNA

<213> Artificial Sequence

<400> 42

gaattcctca tgaacacaga catatttgat atttaggtgc ttaattggac cctgaaaaga 60
 aattagattg attcattga agaataaatg tcggtccccc gccctctaca tggtaaaact 120
 cttccaaatg cttctactta atggaaatgg aaattacctc tcaaaacatt acaaaaacta 180
 atg

<210> 43

<211> 162

<212> DNA

<213> Artificial Sequence

<400> 43

gaattccgac cactgctgac cgccaggcca cacaccggtt tnttcagga ggtctcaact 60
 agatgctaag ctccgaagtg gaactccctc aggcacttgc tgttctaatt caggaattcc 120
 tcgagcccggtt gggatccact agttctagag cggccgccac cg

<210> 44

<211> 189

<212> DNA

<213> Artificial Sequence

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<400> 44

gaattctgtg aaataattct cagcccagac ccaaggg(a)tc cacagctcag aaataggta 60
tccagaagtg ttctaacac tagatgacag tatcccagtg ctccaaacca gcttattact 120
tggccagaat tcctgcagcc cgggggatcc actagtcta gagcggccgc caccgcggtg 180
gagctccag

<210> 45

<211> 190

<212> DNA

<213> Artificial Sequence

<400> 45

gaattctctg tctgtcgatt tcagtattt tagtctggt cctccactg agtactagcc 60
ataggctctg gcttggcact cccatcccat agccctgtgc accatagctc tggggtgaac 120
tcaggcaaaa cgatttctg ccccagcttg ggagcagcag ggttggggac cttggcaatg 180
gcaatggcag

<210> 46

<211> 266

<212> DNA

<213> Artificial Sequence

<400> 46

gtaatacgac tcactatagg gcgaattggg taccggggccc cccctcgagg tcgacggtat 60
cgataagctt gatatcggct ttcctgagc taggctgagc ctttgcctc ctgacctagt 120
tagttctcat tcaacctgt gacaaggat gtggggctca gagaacggga gggcttccc 180
tcaggtcaca tggccagggc atggagaggc aggacttga tccaggtcaa tgtgaccca 240
gagcctagtg tggaaacccg tccttt

<210> 47

<211> 164

<212> DNA

<213> Artificial Sequence

<400> 47

gaattctacc ctgggtagga tagtagctcc cctcaacttt acagcaaata cagctaacct 60
tgctttacct gcgatcccg tttattttg ttgaattaga gaaactgagg gaagcagttc 120
tctacactca cttaccctt agagccctct acaatcaacc ctgt

<210> 48

<211> 112

<212> DNA

<213> Artificial Sequence

<400> 48

gaattcaaag actgtinat gtaagcagtg actganacan aggcaatgag atgagaggtg 60
gaaaggagac caaatgtaa agacagcaga aacttgagtg gacggtggca ca

<210> 49

<211> 114

<212> DNA

<213> Artificial Sequence

<400> 49

gaattctgtt ggctttacct ttaacgtgtc caaaagtgc caattatcat tncgtenttt 60
ngctgtact tggntcaagc cattagtatc cctgtctca ataaactctt tcct

<210> 50

<211> 206

<212> DNA

<213> Artificial Sequence

<400> 50

gaattcccag taacttcctt gtgttggtg tgttcaactc acagagttga actttcatt 60
acacagagca gatttgaaac actcttttg tggaattgc aaatggagaa ttcctgcagc 120
ccgggggagc cactagtct agagcggccg ccaccgcggt ggagctccag cttttgtcc 180
ctttagcgag ggtaattgc gcgctt

<210> 51

<211> 169

<212> DNA

<213> Artificial Sequence

<400> 51

ccccccctcg aggtcgacgg tatcgataag ctggatatcg gcaactctc gctctgtcct 60
cacatagga aagaggaagc tgttccttc ctctacaag agcactaatc tcacatgggt 120
gtttaccctc atgactttat ctaaacctaa ttatcttca aagaatcta

<210> 52

<211> 141

<212> DNA

<213> Artificial Sequence

<400> 52

gaattcttg ttacagtga aatttagata atttatctca ggaattcctg cagcccgggg 60
ttccactag ttctagagcg gccgccaccg cgggtggagct ccagc-t-tg ttcccttag 120
ttaggg-taa ttcgcgctt c

<210> 53

<211> 203

<212> DNA

<213> Artificial Sequence

<400> 53

gaattctata tatttccct ctttctga ctcttcagt acaatcctaa gaccgtgcta 60
ataacagaag acagtaatcc ctttttttag ccaaataatt tggaagccat gattttctt 120
gcatacatg aaagtacga tgggtgttga tattgtgggt agaagcttc aagtaaaaaa 180
gaactgtcat tcaactgaat tgg

<210> 54

<211> 162

<212> DNA

<213> Artificial Sequence

<400> 54

gaattctagg ccaggcgga tggttcacac ctgtaatccc agcattttcc cgggaagcca 60
aggcaggcag atcacttgag gccaaaggt caagaccaac ctggccaaag gggtgaaatc 120
catctctact aaaaatacaa aaattagtcg ggcgcggcgg cg

<210> 55

<211> 193

<212> DNA

<213> Artificial Sequence

<400> 55

gaattctatt ttaggaacg ttctcaaca agcttaagag caaagtataa aaacgatgtt 60
cagcatataa taatatgaaa aaatttgtc ctagacattt tatatgaaaa tgtatacttt 120
agagcatgct tcaggaaaaa aagaaagaaa aattaatcct gggaaatggg tgacattaga 180

tacaggcgag tgg

<210> 56

<211> 169

<212> DNA

<213> Artificial Sequence

<400> 56

gaattctgct ttatgagaa gtcagctgaa tgctatggaa aggagtatag agagtggctt 60
 aaaagttca ggcaagttca caccaaaact tgcattctaa cctccctgaa cctgtggtct 120
 agaagggacc tatcagcaag atgataacca aaaatgtcta gaatctgag

<210> 57

<211> 141

<212> DNA

<213> Artificial Sequence

<400> 57

gaattctaga gaacaatccc tactgacttc acacacaact taagaaatgc aagtaaaggg 60
 ccgggocggg tggcccagca cctgtaatcc cagtactttg ggagcctaga ggcaggtggt 120
 cattggaagt caggagtcca a

<210> 58

<211> 183

<212> DNA

<213> Artificial Sequence

<400> 58

gaattctctg atgttagtt aggtatgacc tacagttaa ggctttgctg cattccttac 60
 gttttagggg ttctctccg gtatgactac ttcgatgtcg agtaacggac gttgaattac 120
 gataaaaggc ttgccacat tcttgcatt tatagggttt ttctccagta tgaattccag 180
 cag

<210> 59

<211> 185

<212> DNA

<213> Artificial Sequence

<400> 59

gaattctatc aatgtcaatt aaatccagtt gatggatggc cataattta aatctattta 60
 cattttgggg tatttttta aataaaatct gtgattatct atctttaat gaatgcctta 120
 gatcattcac attaaagtga ttgtgtgtg agttgtgttc atgtatacca tacttataac 180
 tggtt

<210> 60

<211> 163

<212> DNA

<213> Artificial Sequence

<400> 60

gaattctact aaaactttag aaaagaaatt aacaccaatt ctcaaactat ttcagaaaat 60
 tgaaaaggag aagcctctcc caactaattc tatgaatcca gcattacccc ttacaaaac 120
 cagacaaaga tgaacaaaa taataagaag aaggaactct ggg

<210> 61

<211> 103

<212> DNA

<213> Artificial Sequence

<400> 61

attttccctg ctgggtgtgt ccagagatcc ttctggcta gtctgctagc actgcatgtg 60

12/27

tnaccagca tctcaacctc acactagctg caacacttgg cca

<210> 62

<211> 144

<212> DNA

<213> Artificial Sequence

<400> 62

cctctccaaa aagaaaatct ctgccattct atgtacactg gctgcatgaa gatgtatgtn 60

tatgaattag cctgcatgtc tgggtccac cctgcacatg ctaacattcc ttccctccc 120

catacgagtc caaaaaaact atgc

<210> 63

<211> 173

<212> DNA

<213> Artificial Sequence

<400> 63

tcagtcttca ggtgatattg aaatggaggc tgtaagggtt taataatata ggtttcaaaa 60

ccaggcagca acacatacta gccatgtaaa acttgagcta cccaacccg cctggttggt 120

gcttagtcct tctttgaaaa taaaattct gttctctgga aatagtattt agg

<210> 64

<211> 150

<212> DNA

<213> Artificial Sequence

<400> 64

ttacaacctt tatgagattg gtgccattat caccatttcc agacatgaaa aatacagcac 60

acacagttta agtaatatgc tgaattctg cagcccgggg gatccactag ttctagagcg 120

gccgccaccg cggaggagct ccagcttttg

<210> 65

<211> 159

<212> DNA

<213> Artificial Sequence

<400> 65

ccagtaactt ccttggttg tgtacattca actcacagag ttgaacgttc ccttagacag 60

agcagatttg aaacactctt ttgtgcaat tggcaagtgg agattcaag cgctttaagg 120

tcaatggcag aaaaggaaat atcttcgttt caaaactag

<210> 66

<211> 73

<212> DNA

<213> Artificial Sequence

<400> 66

tccaatcct tctgtgact caagcntctg ctcataggt atcctaggac aatattatgc 60

tgntctatc aga

<210> 67

<211> 87

<212> DNA

<213> Artificial Sequence

<400> 67

agccagagcc aagctctctc actctgcaga gaagcctcag tctttagaag acagttcagc 60

tttatccaga attcctgcag ccggggg

<210> 68

<211> 110

<212> DNA

<213> Artificial Sequence

<400> 68

tatgatcaac aaatatatct tacaacatga ggggtgcaata agatgagaaa gggtcgagag 60
tgtttatctt tagcaaatac atactatcgc gctcaaggta agtnttcaag

<210> 69

<211> 111

<212> DNA

<213> Artificial Sequence

<400> 69

Tattgtgccc agagataatt gtcctgcagt cagagcattc tatgtntttn tctgtcgttg 60
attaatcaag aggggttcag gcttcctgt aggaaaatgt ctaaagcata a

<210> 70

<211> 138

<212> DNA

<213> Artificial Sequence

<400> 70

attcatttat accctcattt attcatccaa cagccattca ataagcgtct gtgttcagcc 60
atgctctgac actgattgan ttctgcagc cgggggatcc actagttcta gagcggccgc 120
accgaggtgg acgtcagc

<210> 71

<211> 144

<212> DNA

<213> Artificial Sequence

<400> 71

caggttgatg aagaaacgga tattagtga atgaagaaca gctccgtctc tgcagctgg 60
tcattttta tatgtcagag actgtcgaat ttctattgcg tttaactaa ttacctcagt 120
ttgttaaaac tgaatatgaa ttcc

<210> 72

<211> 113

<212> DNA

<213> Artificial Sequence

<400> 72

ntctatctag ttttatatga aganatcacg tatcacacga tggacccaaa gaggtccaaa 60
tatccacttg cagttctaca aaaagagtgt ttcacaacag cactatcaag agg

<210> 73

<211> 97

<212> DNA

<213> Artificial Sequence

<400> 73

tacattttt ttcttaacta tccaccacct cccctcaaaa tttaacagc atccagcctc 60
acaaaactca gatcttcctt gtgtacagtt ccacttt

<210> 62

<211> 143

<212> DNA

<213> Artificial Sequence

<400> 74

gacaattcca tcaatacca attgatgatg tttatttttg attccatttg atgatgatta 60
cattcgattc catttcatca tgattccatt cgattccact cgatgattcc attcgattcc 120

attcaatgat tattccactt gag

<210> 75

<211> 98

<212> DNA

<213> Artificial Sequence

<400> 75

aaatgataat atagtcaatt caggaaagan aatcatccta anatttcgta ttatgattag 60

aagtgttaatt tcgctganat agaaaatttc tcattatt

<210> 76

<211> 88

<212> DNA

<213> Artificial Sequence

<400> 76

agctgacatt gtaatttaaat aaagctaagg ataaaacttc tgggtttttt gtttattgag 60

cccgtgact agaagagata agagatgg

<210> 77

<211> 101

<212> DNA

<213> Artificial Sequence

<400> 77

ctctggttgt tgcagggtt ttnattatta gattccagaa ttctgcagc ccgnggagtc 60

cactagtctt agagcggccg ccaccgcggt ggagctccag c

<210> 78

<211> 109

<212> DNA

<213> Artificial Sequence

<400> 78

aaggttacag tgagctatga tccaccactg cactccagca tgggcaacaa agcgagaccc 60

agtatttaga tttatttgtt aatagccagg catattggta catgcgtgt

<210> 79

<211> 121

<212> DNA

<213> Artificial Sequence

<400> 79

ctatatcaca tactttattg tctgtacag tttgctttgt ttcattgttg gataacctga 60

nttctgcag cccgggggat ccactagttc tagagcggcc gccaccgcgg tggagctcca 120

g

<210> 80

<211> 144

<212> DNA

<213> Artificial Sequence

<400> 80

ctatgagtgg cctccaagga gcattagatt agaaggtggc tggagggtgg atattttcat

acacagagac aaagctcccc atcccacaac agatccagag tctgtnttgg accacaggga

aggaaggccc ttctccagga ttct

<210> 81

<211> 160

<212> DNA

<213> Artificial Sequence

<400> 81

ttaggagagg tcagagtggg ctggagcagc caggtgagcc ttgtttgtgt aggcaggagg 60
aagaagcagt ggattttgag ttgaggacgg aatttgagag ggggagggaa aaggaaggga 120
atccgcagag gcagagctga ctgcactcgt gagggagggg

<210> 82

<211> 164

<212> DNA

<213> Artificial Sequence

<400> 82

atacaaattg cagactgcag cgttctgaga aacatctttg tgatgtttgt attcaggaca 60
gagagttgaa cattccctat catagagcag gttggaatca ctcttttgt agtatctgga 120
agtggacatt tggagcgctt tcaggcctat gttggaaaag gaaa

<210> 83

<211> 164

<212> DNA

<213> Artificial Sequence

<400> 83

ttgtggttct agattttatg gtctctttt tatttttcat ttttgagac caagttcac 60
tcttgtgcc cggctggagt gcagtgcgc gatcttggt caccgcaacc tctgcctcca 120
ggattcaagc gattcgcctg cctcagcctt actgagtagc tccc

<210> 84

<211> 141

<212> DNA

<213> Artificial Sequence

<400> 84

tagttccagc tataccaatt tctagccttc ttgattttgc tgaactgaga gtcagaagag 60
atatgtntct aggttatttc caatcattat gccatctcgg aagtggcagg ggtgctatac 120
tagactgaga caaatacccc a

<210> 85

<211> 72

<212> DNA

<213> Artificial Sequence

<400> 85

cttctaaaaat tctatggtag tatganaggc tacacaaaag tntttggacc tgatacaaat 60
attataaatg at

<210> 86

<211> 135

<212> DNA

<213> Artificial Sequence

<400> 86

tcataaaata accattaata ttacacttc gttttttatc ctaacctttt tctaacacat 60
aaacatattc attgggaggt cgaggcgggc ggatcacgag gtaggagatc gacgaccatc 120
cggtaaaaagg tgaaa

<210> 87

<211> 107

<212> DNA

<213> Artificial Sequence

<400> 87

cagccccaag aatgtctgga gcccagatcat catctggcag ccaccctcgg agaagggggg 60
gatccactag ttctagagcg gccgcaccgc ggtggagctc agctttt

<210> 88

<211> 109

<212> DNA

<213> Artificial Sequence

<400> 88

ccatgtggaa gcacagctat aaggctcttt ctatgaacca gaaagcaggc ttctctaaa 60
caccgaatct gccaatgcct tgatcttga ttccagat tccgaacta

<210> 89

<211> 112

<212> DNA

<213> Artificial Sequence

<400> 89

cagggactta atcaacgcaa gcttatgacc cgcacttact gggaattcct cgttcattggg 60
gaataattgc aatccccgat cccatcacg aatgggggtt aacgggttac cc

<210> 90

<211> 125

<212> DNA

<213> Artificial Sequence

<400> 90

acctgtaac ccaactactc tggaggctga ggcaggagaa tggcatgaac ccgggaggtg 60
gaggatgcag tgagccaaga ttgtgccact gaactctagc ccaggcaaag gtgagagact 120
tgatc

<210> 91

<211> 130

<212> DNA

<213> Artificial Sequence

<400> 91

cacttaagat tgtatcttn actctatgag ttatttctca ataaaaagta aaatnnann 60
tactaataat taganatnat cttctctaga atgagcattn aatgagtcag ctgagagggc 120
gacttaactg

<210> 92

<211> 104

<212> DNA

<213> Artificial Sequence

<400> 92

cagcccttac attgtgtctg tgaccagtg taaatgaga ccaggtcaa gagacaactc 60
tttgctggt ctaggatatt ntataanata gatctatcac tctg

<210> 93

<211> 122

<212> DNA

<213> Artificial Sequence

<400> 93

cgtcagctca gcagcctgac aatttgaact cagtagtacc acattgccac atggctatgt 60
tcaggggtta atactctta gcaaagaaat agagaccaat ctctgtgac actttaaact 120
tt

<210> 94

<211> 76

<212> DNA

<213> Artificial Sequence

<400> 94

cacatggatg gggaggcctt ccaatcatgg cagaaggcaa aggagaaagn nagcacatct 60
tacaggcagc aggcaa

<210> 95

<211> 109

<212> DNA

<213> Artificial Sequence

<400> 95

cagccccagc atggcaggaa tatntntngc attgggttct ttggaggagg aaagtacgtn 60
ctcagagnag gcaattntc gccgctggtt taaggctttn natgaccga

<210> 96

<211> 112

<212> DNA

<213> Artificial Sequence

<400> 96

cagccccgaa ttatgtatta anagtatcc tcaccaagaa agacaagggt tctgtagttc 60
tctaactca tatccctata tanntntnac tgtgcagtat ccagacaatg acactccttc 120
agagagaatt ctatggccac atctctaa

<210> 97

<211> 122

<212> DNA

<213> Artificial Sequence

<400> 97

taaaactttg ttataagaga tggaagggtt taaatatata nntctaannn ntnntagttt 60
aaagaattcc aaacttaaac atcttcagta gacttgacat tgtatttcgn ataccctatg 120
tc

<210> 98

<211> 88

<212> DNA

<213> Artificial Sequence

<400> 98

ctttaaattt ataaactcca aggcagtaca agtctggnnn nnnnnnagct acccaatadc 60
tgataaatat gaatacctaa taatagac

<210> 99

<211> 105

<212> DNA

<213> Artificial Sequence

<400> 99

tctaaaaact ctccctcacc agcatcccaa tttaaagcct tggctcttgc tctccctct 60
agggggatcc actagttcta gagcggccgc caccgcggtg gagct

<210> 100

<211> 86

<212> DNA

<213> Artificial Sequence

<400> 100

cgccactatg ctcagctact tnnntntgt ttgtagaga tgggtgttc accatgttc 60
ccagactgat ctnanctcc tgggtc

<210> 101

<211> 156

<212> DNA

<213> Artificial Sequence

<400> 101

gacctccac tgatttncca tcttgaccac tgcctacca attactgtnc cagtcgaaac 60
ctggcgcca tgtgacgact ctctccctct ctacagctac acaaccgccg tgtgctgtcg 120
ggtcttatcc ttccacca gtccatggct tggctc

<210> 102

<211> 173

<212> DNA

<213> Artificial Sequence

<400> 102

cagccccata aaattaacca tcacactagg tgatgtcttt ntttttgag agcaagtctt 60
gtctgtcacc aggtggaat actgtggtgg gatctcagct cactgcacct ccacctctg 120
ggttcagca attgtctgc ctacgcctgg gggatccact agttctagag cgg

<210> 103

<211> 191

<212> DNA

<213> Artificial Sequence

<400> 103

cagccccctt agaaatagct ctctgagaca ctctggtag acatgatccc aggttgctg 60
agcagctgtg caaccatgcc tcaggcctga ggaacagctc gcaggccact ctgtctgga 120
ataccccagg cggccaagc aatagatctg catccagggg ggatccacta gttctagagc 180
ggccgccacc g

<210> 104

<211> 191

<212> DNA

<213> Artificial Sequence

<400> 104

bagccccctt ggctcagtct ggaaaggcaa gacaactaga aggtgggggg ctccagggc 60
ataggtagat tcanaaatgt actgattggc acttcctga ccgagttatt aactaaagac 120
ctggaatcaa tagaaaggaa tgtctgggtt aaggttaaggg ctatggggga tccactagtt 180
ctagacggcc g

<210> 105

<211> 103

<212> DNA

<213> Artificial Sequence

<400> 105

ttctnagana tttnacatca nattaacca ctganaaact tgcnaactct cactttcaac 60
gtctgancgg naattttaat tggnggatcc actagttcta gag

<210> 106

<211> 173

<212> DNA

<213> Artificial Sequence

<400> 106

cagccccctt attaactcac cccttgcat tgtcaaccc tagntaataa agtcactcag 60
gtgtacttct ganaattgaa gttaaatttt tttaccaca gagctgaacc attacagagg 120

<210> 107

<211> 111

<212> DNA

<213> Artificial Sequence

<400> 107

tcataanata accattaata tnnnnntnnn nnnnnnatcc taacattttt ctaacacata 60
aacatattca ctggggaggc cgaggcgggc ggatcacgag gtcaggagat c

<210> 108

<211> 70

<212> DNA

<213> Artificial Sequence

<400> 108

caatttacac tctggcaggg ggaganagga naattntnc tgnngaagg gggagttgng 60
gnaggaggcc

<210> 109

<211> 104

<212> DNA

<213> Artificial Sequence

<400> 109

caaanactaa natakctn agtctggnta gacacttca ctggatagg agaggccttt 60
nctacagnt atnanaaggc caccacagtc attnttccc ttct

<210> 110

<211> 68

<212> DNA

<213> Artificial Sequence

<400> 110

tcatttaggc ctnttcacga ttttnaaat cattnagtn acatccaagt nnnntngct
gttaatca

<210> 111

<211> 107

<212> DNA

<213> Artificial Sequence

<400> 111

cagcccaat caagggtgt ttctcaatct cttgtataa aannctagat tctgtattag 60
tctgttctca ggctgctaataa agacatac ccaaggctgc gtacttt

<210> 112

<211> 173

<212> DNA

<213> Artificial Sequence

<400> 112

tggaaagaaa aactatgtac atctgagacg ctgcagctgg taccctact ctttcagagc 60
atcaacaggt taagtgtgga ttatccaca cctcagacc cgtgaccgta g

<210> 113

<211> 121

<212> DNA

<213> Artificial Sequence

<400> 113

gaatctctac accaacccctc tcctaacctc tacagttcaa atccaaatct caaactttct 60
gatttgaatt tgcttatccc tatgtaattc taacttaaga cctaagacca aaagggaatc 120
c

<210> 114

<211> 103

<212> DNA

<213> Artificial Sequence

<400> 114

tctccagct aaatagttgc agagtcagag tagaagccag ctctctgac aatatatttn
atgatattct agagaatatc cctagaatca ttcctaggta ctc

<210> 115

<211> 86

<212> DNA

<213> Artificial Sequence

<400> 115

tgtcattggt aatttatgtg agaacacaaa gcatccaaca ntanngtatt ctgcatttcg 60
accaacagat agtttctcat cgaaga

<210> 116

<211> 120

<212> DNA

<213> Artificial Sequence

<400> 116

cagcccggtt tgttttacct ttngcttttn atgtgcttct ctaacanttn agggcggaact 60
aaccagcatg aggnntgtnt ctgcttgatt tnaaccatc ctttctgtc tgtacacagg 120

<210> 117

<211> 95

<212> DNA

<213> Artificial Sequence

<400> 117

ccctccctga gtctntntaa cagcagcact gcccccaaac ctnanttggt tcccctgata 60
gccagggtacc cggnttctnt ngcagtgcta actgt

<210> 118

<211> 109

<212> DNA

<213> Artificial Sequence

<400> 118

tattaannnn nctaactna atatntngt ntctcgggga acagaaaagc ctgaggagaa 60
ggagagatag tnggaatntc tagtnttgg agcagtcaga acacacata

<210> 119

<211> 79

<212> DNA

<213> Artificial Sequence

<400> 119

cctgtattac agaaccaagg attaaaaact cagcagatgt gtaatgagtt ttaaataatt 60
acaatatnnn nnntataaa

<210> 120

<211> 83

<212> DNA

Artificial Sequence

<400> 120

tagttgatcc gnnagcccat gcgataccgc gnnggcgctc gnngccgang ggggatccac 60

tagttctaga gcggccgcca ccg

<210> 121

<211> 177

<212> DNA

<213> Artificial Sequence

<400> 121

cgttgtttt acctttcact ttaatgtgc ttctctaac aattaagggc gaactaacca 60

gcatgaggat tgtgtctgct tgattttaa ccatcctta atgtctgtac acaggaaatg 120

ttatcaacaa gagatgattc ttgggggatc cactagggtc tagagcggcc gccaccg

<210> 122

<211> 103

<212> DNA

<213> Artificial Sequence

<400> 122

ttatagttta anacanagat ggtaacagcc ctttccaaa gcagacctec ttctgcctg 60

gnaaagggt gttaccatct ttgtttaaa ctataaacta taa

<210> 123

<211> 139

<212> DNA

<213> Artificial Sequence

<400> 123

caagaagggt ggtgctggca tttncttctg gtgagggcct caggaagctt tcaatcatgg 60

cagaaagtga gaggagagta ggcatgtcac anagagagac atgccttcat tctcggggga 120

tccactagtt ctagagcgg

<210> 124

<211> 103

<212> DNA

<213> Artificial Sequence

<400> 124

cattaaagcc ttnttagga aatctntta aacaacagaa taaaagggt gacttnaga 60

tagaacttn ngtgacatct ccagtttctg gttacatgat att

<210> 125

<211> 103

<212> DNA

<213> Artificial Sequence

<400> 125

cagagagaga gaaacanaca gncagagaga gagagaccac anagagagag agagagagaa 60

gatcagacag agaaaganag agacagagac agacannnag aca

<210> 126

<211> 113

<212> DNA

<213> Artificial Sequence

<400> 126

cagccccaga gagagagaaa cagacaggna gagagagaga gacacagaga gagagagaga 60

gagaagatca gacagagaaa gagagagaca gagacagaca nanagaatag aga

<210> 127

<211> 181

<212> DNA

<213> Artificial Sequence

<400> 127

actcatttta tgaggccaga atcatcctga taccaaaacc tggcagagac acacacacac 60

aaaagaaaat ttcaggccaa tatccctgat aaacattgat gcaaaaatcc tcaataaaat 120

actggcaaac tgaatccagt agcacatcaa aaagctgggg gatccactag ttctagagcg 180

g

<210> 128

<211> 150

<212> DNA

<213> Artificial Sequence

<400> 128

cccgcccat gtagctctca ggtggcccat gacaccacac tgttttctct tctctccat 60

gggtcacacc ggccacctag tcagtcctaa cgtcggaacc tggatacctc cattgctggt 120

gctggaccgg tcaactgttt ggatatttc

<210> 129

<211> 173

<212> DNA

<213> Artificial Sequence

<400> 129

tcctaagtgt cccaacagtg gagcacatta ttcaggaact taaagatata atcgcagaac 60

agcacctcca agctcgtaaa tgcttatctc ggtaaccctc agtcatggga caatcaaatt 120

caatacatcg gaggaacacc atgctgacgg gggatccact agttctagag cgg

<210> 130

<211> 187

<212> DNA

<213> Artificial Sequence

<400> 130

ctatagaagc tcctctata ttngcttat nncactcatg gcggtagtft gaattcagat 60

ctctgggtca ttattatcc atggaaagt aaattgagat gttggaact taaacagtg 120

ttgtttatt gtgctaata cgatctgtta ctaaattga ttgggggatc cactagttct 180

agagcgg

<210> 131

<211> 170

<212> DNA

<213> Artificial Sequence

<400> 131

cagatatttg tagatatgcc gcgttatttc tgagggtctt gttctgttcc attgatctat 60

atctctgtct ttgtaccag taccatgctg ttttggttac ttagccttg tagtatagtt 120

tgaagtcagg tagcatgatg cctccggggg atccactagt tctagagcgg

<210> 132

<211> 147

<212> DNA

<213> Artificial Sequence

<400> 132

tctctaaaat tctatggtag ttgaaaggct acacaaaagt tttggacct gatacaaata 60
 ttataaatnn nnnnnnnnt gtntgatttg atactccatg taaaactctt cctaatggct 120
 tcgggggatc cactagtctt agagcgg

<210> 133

<211> 123

<212> DNA

<213> Artificial Sequence

<400> 133

tattaaaaat acaaaaaatt agccgggagt ggtggcacgc gcctgtagtc ccagctactc 60
 gggaggctat ggcaggaaaa tccctgaac ctgggaggcg gaagttgcag cgagaagaga 120
 tca

<210> 134

<211> 164

<212> DNA

<213> Artificial Sequence

<400> 134

ctgtcttca agtttcaggc ttgaaagtga aaaataatgc ataattacg gaagctattg 60
 gtgtgaaaat atccaagaga agaattgagga atagtggagt gaaataaaca ggagattagg 120
 tagatagaaa ttgactattg ggggatccac tagttctaga gcgg

<210> 135

<211> 193

<212> DNA

<213> Artificial Sequence

<400> 135

cttaatatgg tatgcttaat gtatgagct aaacaaaata acaatgtgta tagtattgtn 60
 taanataccc cacttccaat tgtttaaagt gaaaacaaa ttatatgttt ganagttaag 120
 gtggaataaa tgaagattaa atgatatgaa ctactcagaa aacaggtagg gggatccact 180
 agttctagag cgg

<210> 136

<211> 233

<212> DNA

<213> Artificial Sequence

<400> 136

cattgattaa atttattgat gcattgtaaa tttgaatcaa tatctattaa tcccaagctg 60
 gagtgcagtg gcgcatctc agctcactgc gacctctgcc tcccggttc aagcaattct 120
 catacctcag cctcccgagt agctggaacc acaggcatga gccaccatgc ccggctagtt 180
 acagggtttt cctatgctat ccaggctgga gtgcagtggg ggatccacta gtt

<210> 137

<211> 194

<212> DNA

<213> Artificial Sequence

<400> 137

ctaaaggatc cttcaactct gtgagttgaa tacacacaac acaaggaagt tactgagaat 60
 tattctgtct agcataatat gaagaaatcc cgttccaac tgaagacctc aaaggagctg 120
 aatatccact tgcagacttt acagagtgtt tcctaactgc tctatgagag ggggatccac 180
 tagttctaga gcgg

<210> 138

<211> 155

<212> DNA

<213> Artificial Sequence

<400> 138

cagccccggaa aatatagggc aaattttttt attttgctgt ttggtgactc caccactttt 60
gcaacagtac ttttggtgcc cattaacaa attacttga tttctttgtg taaatattat 120
gaagaccaga accttttgag ggggatccac tagtt

<210> 139

<211> 200

<212> DNA

<213> Artificial Sequence

<400> 139

ctagacaaaa gccccatcac ctggatgaat cagtgcagag ttacgtcaca aagtcctttt 60
aggcagatcc tagacaaggg ttacatcact tggatgatca gtgcagagat atgcacaat 120
gccactgtag ggtgagccta gaaaagagtt tcatgaccta ggtgatcagt gcagaggggg 180
atccactagt tctagagcgg

<210> 140

<211> 169

<212> DNA

<213> Artificial Sequence

<400> 140

ctgtgactgt gcctatagaa gaaaaaaaa atagcgtgta atctcagcac tctgggaggc 60
caaagcaggg gggatcactt gaggccaaaga gttcaagacc agcctggcca acaaagcgaa 120
accttctctc tactaaaaat acaaaaatta gccgggcatg gtggcactc

<210> 141

<211> 211

<212> DNA

<213> Artificial Sequence

<400> 141

agggccacca gctggtgaat cctgccccac cagctcagag ctcttcccat tcatggagta 60
tatcatagga gactggattt ccaaagctgc atggagcttc attcctgaac tggtcaccct 120
gtgtctagtc ttgttttctc aatccatcct gctctccagc agcctcaata ctctaaaaat 180
tgtccggggg atccactagt tctagaggcg g

<210> 142

<211> 195

<212> DNA

<213> Artificial Sequence

<400> 142

cacagacatc ctgtgccacc tcattcactc tcacatgcct ctgaggtgag ggggataaca 60
gcactagtat catttgatac tgatacaaat cggtctctaaa tatttggggg atgctggtgg 120
tgttattgct ggactccatt acacaagttt catgagccag tgaaaatcac tgtgggggat 180
ccactagttc tagag

<210> 143

<211> 199

<212> DNA

<213> Artificial Sequence

<400> 143

Cagccctaaa gtataataaa aaaaaatttt ttaaagaatc ttcacaaaag aactctgaaa 60
tgtcagcatg agcagatgat gaagtatcat aggaatccat ttttgctgt atttcttatt 120
taatagagaa agaaatttca tatgctgtaa tatgtttcca attggaaatt aaaatctgat 180

aggggggatc cactagttc

<210> 144

<211> 178

<212> DNA

<213> Artificial Sequence

<400> 144

cagccccct gtaacaatat gggctgttct agctgtaatt cacctctgga gccatcagaa 60
tcctcctggt aaaaatggcc ctaatatcaa acacagaggc cactgctagt taaactttat 120
aaatcgaaca agaatcata tgatataatc agataagagc ctgggggatc cactagtt

<210> 145

<211> 158

<212> DNA

<213> Artificial Sequence

<400> 145

cagccccctg ggctcaagca atctgccac ctggcctcc ccaagtgtg ggattacagg 60
tgtgagtnac tgncccgcc cagccttgct tattgtcag aaacaggagg ttggggcaac 120
cctggtgccca agatatgggg gggatccact agttctag

<210> 146

<211> 184

<212> DNA

<213> Artificial Sequence

<400> 146

cagccccctgc taaataactt tcgaagttaa gaaagctaatt ggtatatcat caggcaccaa 60
taaaactatc ttgagatttg acaatgccaa ctgaaaaatt tcttctgcaa ggcagagcca 120
gttacctttt ataatatcaa ttagattca cacaagaca ttctagggg gatccactag 180
ttct

<210> 147

<211> 219

<212> DNA

<213> Artificial Sequence

<400> 147

cagccccacg ggtggtaatc ntggctgctt tntgcacttc cacataaagt gcttctncta 60
cgctgtctcc actcagaac aattacaaca gtatgtgaag cagtattgaa aactcnnaa 120
gctgcacaca gattcattga aaagggcaga agcctcatta atactagagt ctgaggcaca 180
acctatgacc gaacactggg ggggatccac tagttctag

<210> 148

<211> 185

<212> DNA

<213> Artificial Sequence

<400> 148

cagccccag aaaaaaaga gcaagaggat ggggctgaaa aaattactca aagaaataat 60
ggctaaaaag tactcaggtt tatcaaaaga caagtctgca gaactaagaa gatgacaaaa 120
tccttgatcat agacagaatg tgtgttccc aaacttcgtg tgttgggggg atccactagt 180
tctag

<210> 149

<211> 129

<212> DNA

<213> Artificial Sequence

<400> 149

cagccctgca gtatttagtt ttctattcct gagttagttc acttaggaaa atggtctcta 60
 gctccatcca tgaagcacca aatccctcca gccagtagc aaggagacag aattttact 120
 ctgtctctg

<210> 150

<211> 74

<212> DNA

<213> Artificial Sequence

<400> 150

cagccctctt ttctgtctcc taaggaagat gcattctcag gatacaggan nnnngggggga 60
 tccactagtt catg

<210> 151

<211> 95

<212> DNA

<213> Artificial Sequence

<400> 151

cagcccccatt taacctggag aggaataccc taaggattct tggaggctga aagacttaaa 60
 attgaggaa tgaagaata gcaagggtga atcgg

<210> 152

<211> 144

<212> DNA

<213> Artificial Sequence

<400> 152

cagccctgca gtatttagtt ttctattcct gagttagttc acttaggaaa atggtctcta 60
 gctccatcca tgaagcacca aatccctcca gccagtagc aaggagacag aattttact 120
 ctgtctctga tgagaagagt gtac

<210> 153

<211> 138

<212> DNA

<213> Artificial Sequence

<400> 153

cagccctgat agttacctta ctgtttgct atgaccatac tctacataga gtatttagat 60
 taaatggagg aatgagaata tgagattagt ttctcatatt ctgtgatca tgacaggacc 120
 tgagattctg cacagatg

<210> 154

<211> 139

<212> DNA

<213> Artificial Sequence

<400> 154

cagccccgct gttttaaag tcagtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgagag 60
 agagagagag agagagagcg tatgcatgtg tgtctgcatg tgtgtgtgcg cgcgtacatt 120
 tgggagacgg tgtgtaagt

<210> 155

<211> 133

<212> DNA

<213> Artificial Sequence

<400> 155

cagccccgaa aggtaataca agtaagatga ttataaaca atgctttaaa acagagtcaa 60

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tgaaccagt ctgttgtga ggccaaggc tccatattt acaactcagt ctgtaaggat 120
agctatgtat ctg